

09689747.101600

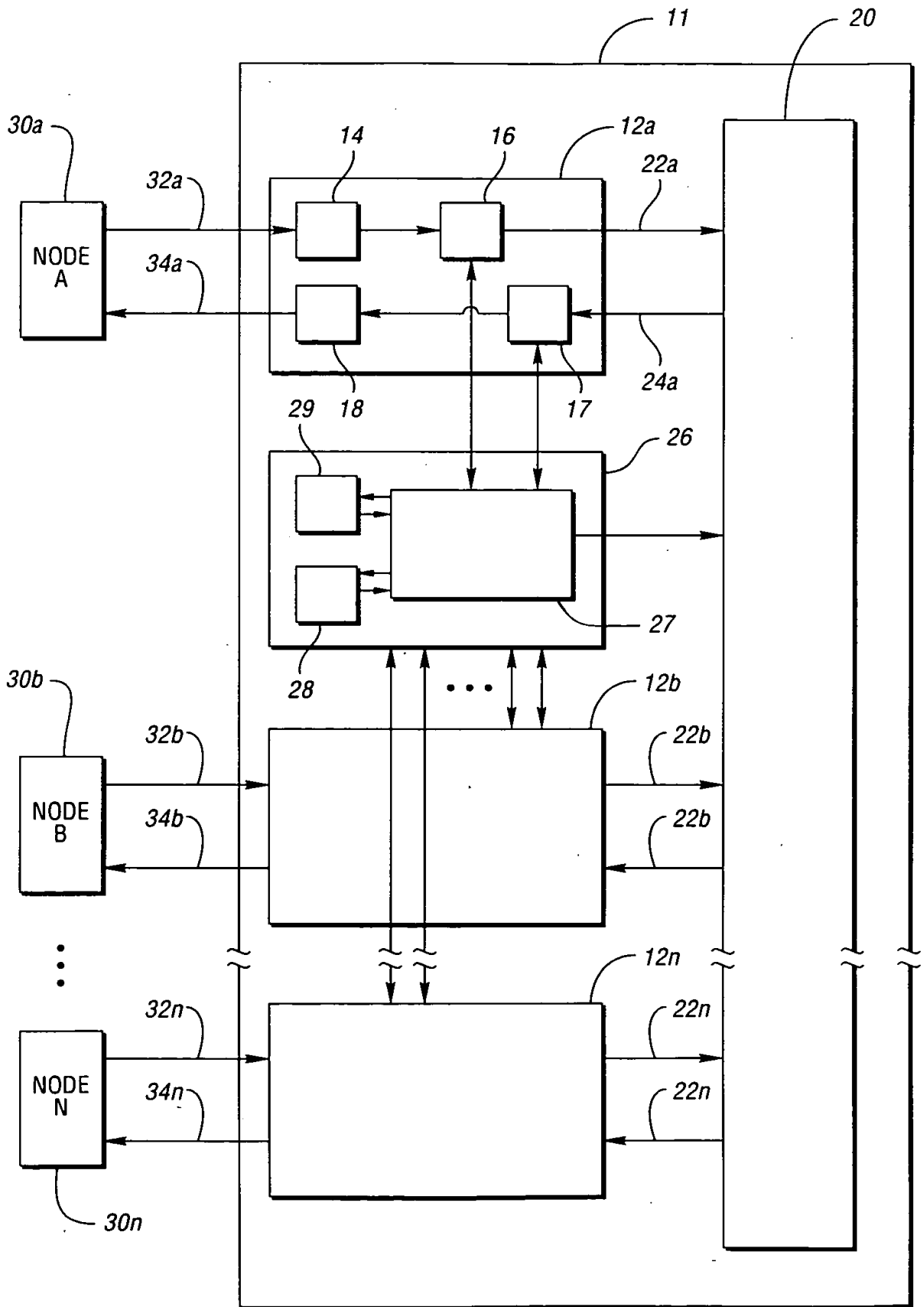


Fig. 1

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graph TD
    START([START]) --> 40[DETECT ARBITRATION MESSAGE FROM NODE A]
    40 --> 42[SWITCH NODE A TO PRIVATE COMMUNICATION LOOP]
    42 --> 44[DETECT OPEN MESSAGE FROM NODE A]
    44 --> 46[SEND IDLE MESSAGE TO NODE A]
    46 --> 48{IS NODE B BUSY?}
    48 -- YES --> 50[SEND BUSY MESSAGE TO NODE A]
    50 --> 48
    48 -- NO --> 52[SWITCH NODE B TO PRIVATE COMMUNICATION LOOP]
    52 --> 54[SET STATUS OF NODES A AND NODE B AS BUSY]
    54 --> 56[SEND OPEN MESSAGE TO NODE B]
    56 --> 58[FACILITATE MESSAGE TRANSFER OPERATION]
    58 --> 60[DETECT CLOSE MESSAGE ON COMMUNICATION LOOP]
    60 --> 62[SET STATUS OF NODE A AND NODE B AS NOT BUSY]
    62 --> 64[WAIT A PREDETERMINED AMOUNT OF TIME]
    64 --> 66{IS NODE A BUSY?}
    64 --> 70{IS NODE B BUSY?}
    66 -- YES --> END1([END])
    66 -- NO --> 68[SWITCH NODE A TO MAIN COMMUNICATION LOOP]
    70 -- YES --> END2([END])
    70 -- NO --> 72[SWITCH NODE B TO MAIN COMMUNICATION LOOP]
    68 --> END3([END])
    72 --> END3

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Fig. 2

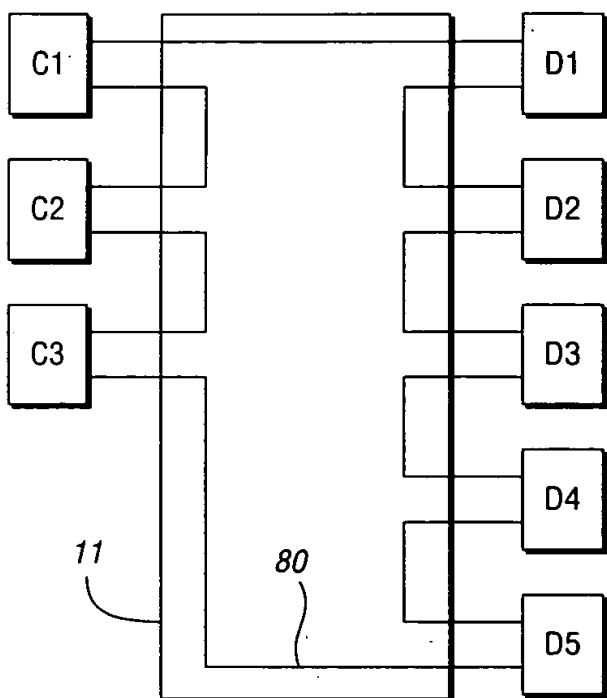


Fig. 3

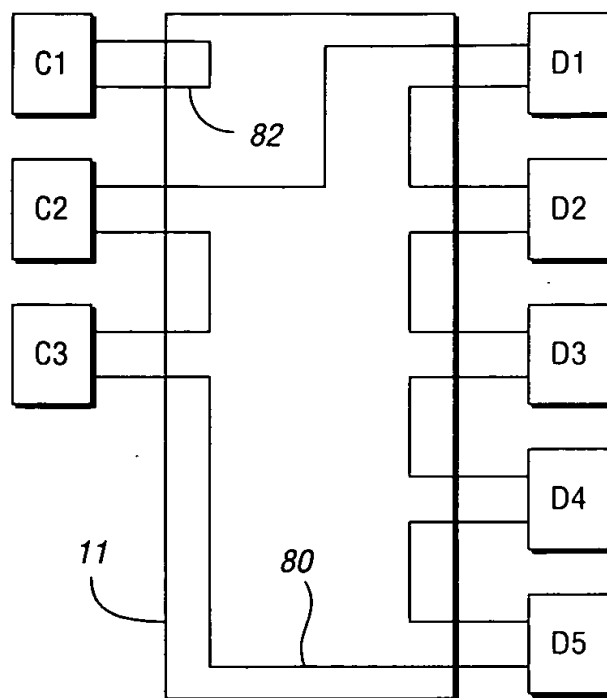


Fig. 4

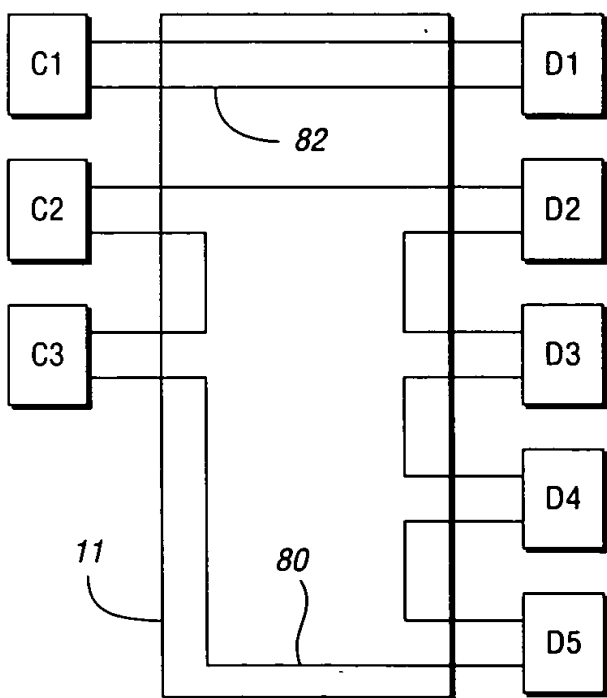


Fig. 5

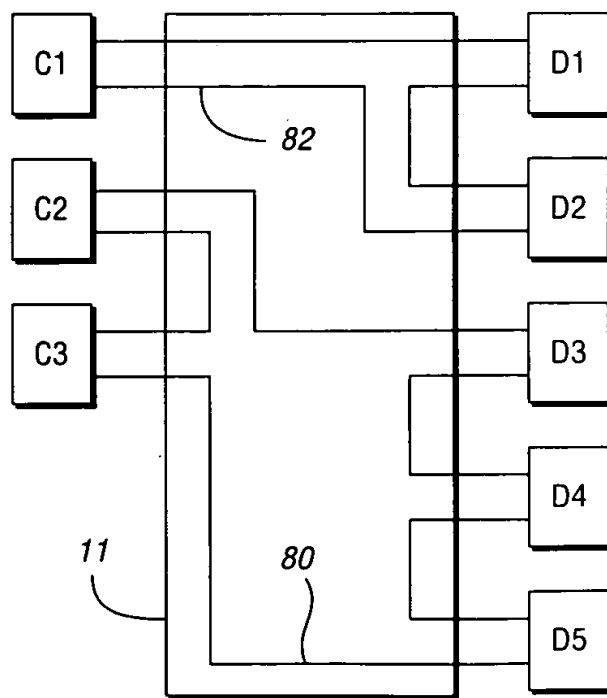


Fig. 6

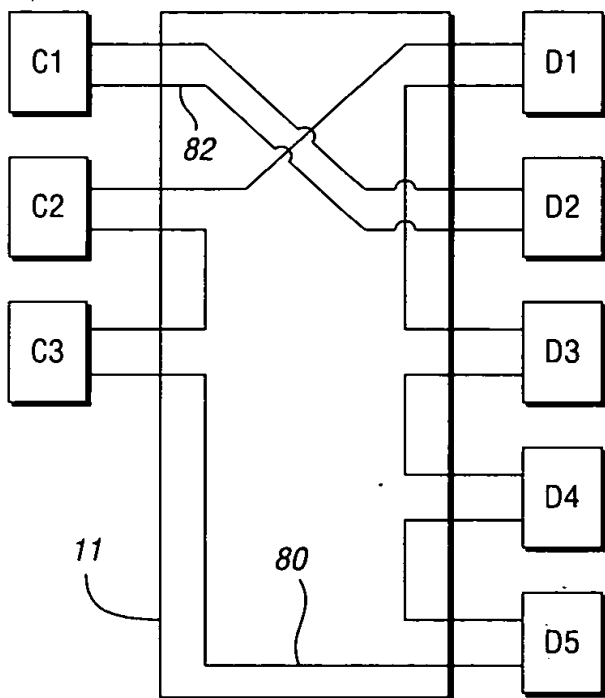


Fig. 7

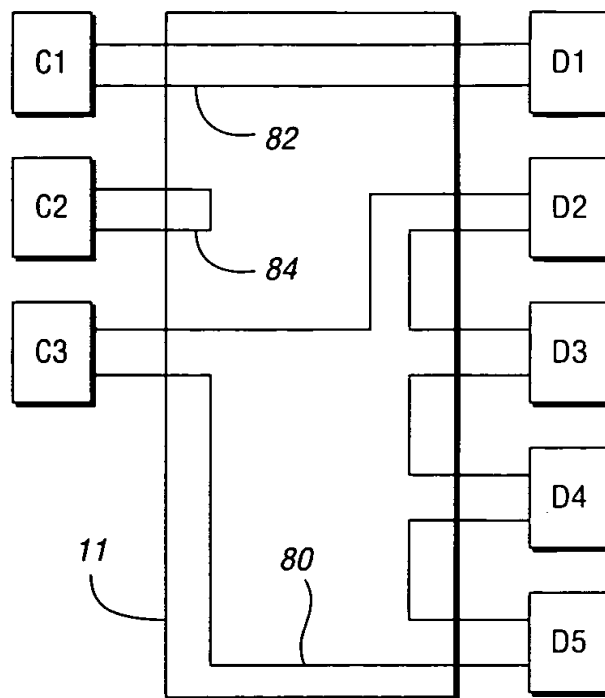


Fig. 8

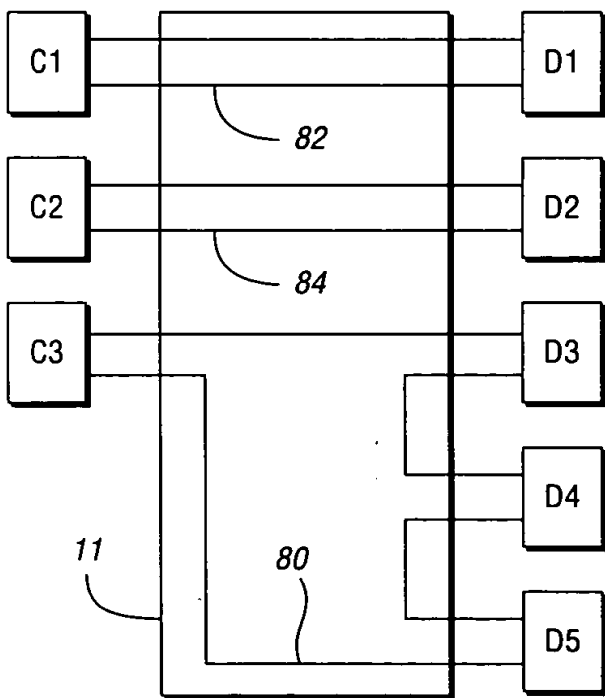


Fig. 9

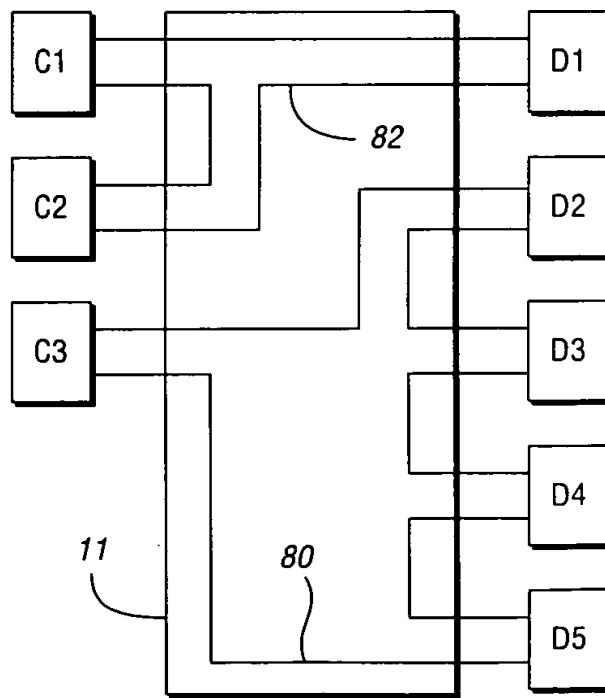


Fig. 10